

MATERIAL SAFETY DATA SHEET

MSDS

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| DATE: 10/25/99 | MSDS # 522300 (154) | NEW <input checked="" type="checkbox"/> REVISED <input type="checkbox"/> |
| PURSELL INDUSTRIES, INC. P.O. Box 540 Sylacauga, AL 35150 | | EMERGENCY PHONE NUMBERS PURSELL 1-800-874-8892 CHEMTREC 1-800-424-9300 |

SECTION - I - PRODUCT INFORMATION

PRODUCT NAME: Vigoro Crabgrass Preventer plus Lawn Fertilizer 30-3-4 PRODUCT NUMBER: 522300
 CHEMICAL NAME: *Dimension® Herbicide, Polymer-coated Urea, Polymer-coated Sulfur-coated Urea, Urea, Diammonium Phosphate and Muriate of Potash
 CHEMICAL CLASS: Herbicide/Fertilizer Compound
 EPA REGISTRATION NUMBER: 8660-154
 NFPA RATING: Health - 2 Flammability - 1 Reactivity - 0 Special - None
 NFPA CODES: 0=Least 1=Slight 2=Moderate 3=High 4=Extreme
 *Dimension® is a registered trademark of Rohm & Haas Company

SECTION - II - INGREDIENT INFORMATION

| ACTIVE INGREDIENT | CAS NUMBER | PEL | TLV | OTHER | % BY WEIGHT |
|---|------------|-----|-----|---------------------|-------------|
| Dithiopyr, 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl) | | | | | |
| -6-(trifluoromethyl)-S, S-dimethyl ester | 97886-45-8 | NI | NI | 10mg/m ³ | 0.17% |
| INERT INGREDIENTS | | | | | 99.83% |
| TOTAL | | | | | 100.00% |

SECTION - III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NA Bulk Density: 52 - 54 lbs./ft³
 Vapor Pressure (mmHg): NA Melting Point: NA
 Vapor Density (Air = 1): NA Evaporation Rate (Butyl Acetate = 1): NA
 Solubility in Water: Fertilizer chemicals are water-soluble. Herbicide compound and polyurethane coating are insoluble.
 Appearance and Odor: Beige, brown, yellow, white and/or green fertilizer granules. Slight sulfur-like and fertilizer salt odor.

SECTION - IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA Flammable Limits: LEL: NA UEL: NA
 Extinguishing Media: Water spray, foam, dry chemical, CO₂, sand, or fine earth. Material is essentially non-flammable.
 Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus. Short term exposure to smoke, fumes, and gases can lead to irreversible lung injury without early signs and symptoms. Use extinguishing media suitable for the surrounding fire.
 Unusual Fire and Explosion Hazards: Noxious and toxic fumes may be produced if product is involved in fire. Runoff water may cause pollution. If surface water is contaminated, contact local authorities.

SECTION - V - REACTIVITY DATA

Stability: Stable
 Incompatibility (Materials to avoid): Store separately from acids and bases
 Hazardous Decomposition or Byproducts: Thermal degradation may produce cyanuric acid, ammonia, biuret, hydrogen cyanide, chlorine gas, sulfur oxides, and nitrogen oxides.
 Hazardous Polymerization: Will not occur

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SECTION - VI - HEALTH HAZARD DATA

ACUTE AND CHRONIC HEALTH HAZARDS / EMERGENCY AND FIRST AID PROCEDURES

SARA Hazard category: Immediate health hazard
 Route(s) of entry: Inhalation, Contact, Ingestion

Eyes. May cause corneal irritation. If eye contact occurs, flush eyes with running water for 15 minutes

Skin: May cause moderate irritation. Remove contaminated clothing. Wash with soap and water.

Inhalation: May cause moderate irritation to the nose, throat, and lungs. If prolonged inhalation of dust occurs, remove to fresh air.

Ingestion: Call a physician immediately. The phone number for the National Poison Control Center is (202) 625-3333. May irritate gastrointestinal tract

Signs and Symptoms of Exposure: Irritation to eyes, skin, or respiratory tract. Call a physician if irritation persists.

Notes to physicians: Treat symptomatically. These herbicides do not uncouple oxidative phosphorylation or generate methemoglobin

SECTION - VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Storage: Store in original container in a locked storage area inaccessible to children and pets. Do not store near feed, seed or food; other herbicides, fertilizers or insecticides, to prevent cross-contamination.

Procedures in case of spill or release: Do not touch spilled material. Wear protective clothing; chemical resistant gloves and shoes, safety glasses or goggles. Use NIOSH/MSHA approved respirator (TC-21C) if exposure levels are high. If materials are uncontaminated, collect, label containers, and reuse as directed on label. Flush contaminated area with water if possible. Empty containers may be disposed of in a licensed sanitary landfill. Do not reuse bag.

Waste Disposal Method: If uncontaminated, use as directed on the label. If contaminated, dispose of according to all Federal, State, and Local laws

Other Precautions: Wash thoroughly after handling.

SECTION - VIII - CONTROL MEASURES

Ventilation Requirements: None required with normal use of this product.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None required with normal use of this product.

Protective Clothing: Long sleeves and pants, chemical resistant gloves and shoes should be worn.

Eye Protection: Safety glasses with side shields or goggles are recommended

SECTION - IX - ADDITIONAL INFORMATION

This product contains pesticides. Pesticide wastes are toxic. Improper disposal of excess pesticide is a violation of Federal Law. If pesticides cannot be used according to label, contact your State or Federal pesticide control agency for guidance

SECTION - X- SARA TITLE III REQUIREMENTS

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|---|------------------------|--|
| Section 302 EHS: No | Section 304 CERCLA: No | SARA Hazard Category: Immediate Health Hazard |
| Section 311/312 Hazardous Substance: No | | Carcinogenic Compound(s) (IARC/NTP/OSHA/ACGIH): None |
| Section 313 Toxic Chemicals: No | | |

OTHER PRECAUTIONS AND COMMENTS

The information in this Material Safety Data Sheet is believed to accurately reflect the scientific evidence used in making the hazard determination. It is considered only as a guide, and not a warranty or representation for which we assume legal responsibility.

Independent decisions must be made on the suitability and use of this product dependent on variable storage conditions or locally applicable laws or government regulations. The buyer and user assumes all risk and liability of storage, handling, and use of this product not in accordance with the terms of the product label

PURSELL INDUSTRIES, INC.

NI=NONE INDICATED

NA=NOT APPLICABLE

Contact Customer Service
Telephone: 1-800-874-8892
(256) 245-5282